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Page 10 of 10

ABSTRACT

The invention relates to a high-pressure discharge lamp having has a discharge vessel (10) with a ceramic wall (1) which is closed at one end by a plug. The plug (2) is provided with an electrode (3) arranged in the discharge vessel (10). The ceramic wall (1) and the plug (2) are jointed by a fusion joint (4). The fusion joint (4) comprises an alloy comprising substantially molybdenum and aluminum. Preferably, the fusion joint (4) comprises a material selected from the group formed by Al_8Mo_3 , $\text{Al}_{63}\text{Mo}_{37}$, $\text{Al}_{65}\text{Mo}_{35}$, AlMo , AlMo_3 and combinations of said materials. Preferably, the plug (2) comprises a material selected from the group formed by molybdenum, tungsten and combinations of said materials. Preferably, the ceramic wall (1) comprises aluminum nitride. According to the invention, the plug (2) has a high corrosion resistance.

Fig. 2